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RAW SEQUENCE LISTING

DATE: 08/28/2001

PATENT APPLICATION: US/09/597,513

TIME: 13:54:42

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3 <110> APPLICANT: Collmer, Alan
4 Charkowski, Amy
5 Alfano, James R.
7 <120> TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FROM PSEUDOMONAS
8 SYRINGAE AND ITS USE
10 <130> FILE REFERENCE: 19603/3306
12 <140> CURRENT APPLICATION NUMBER: 09/597,513
13 <141> CURRENT FILING DATE: 2000-06-20
15 <150> PRIOR APPLICATION NUMBER: 09/120,817
16 <151> PRIOR FILING DATE: 1998-07-22
18 <150> PRIOR APPLICATION NUMBER: 60/055,107
19 <151> PRIOR FILING DATE: 1997-08-06
21 <160> NUMBER OF SEQ ID NOS: 8
23 <170> SOFTWARE: PatentIn Ver. 2.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 1729
27 <212> TYPE: DNA
28 <213> ORGANISM: Pseudomonas syringae
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33 cctctgagtg cgggtgcggag caataaccagt ctctcgtctg gcgtgtgcac actgagtcgc 180
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41 cagcacccgtc cagaatccgc aggacgccag caagcccaac gacagccagt ccaacatcgc 660
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74 Glu Gln Asn Thr Gln Gln Ala Ile Asp Pro Ser Ala Leu Leu Phe Gly
75 35 40 45
77 Ser Asp Thr Gln Lys Asp Val Asn Phe Gly Thr Pro Asp Ser Thr Val
78 50 55 60
80 Gln Asn Pro Gln Asp Ala Ser Lys Pro Asn Asp Ser Gln Ser Asn Ile
81 65 70 75 80
83 Ala Lys Leu Ile Ser Ala Leu Ile Met Ser Leu Leu Gln Met Leu Thr
84 85 90 95
86 Asn Ser Asn Lys Lys Gln Asp Thr Asn Gln Glu Gln Pro Asp Ser Gln
87 100 105 110
89 Ala Pro Phe Gln Asn Asn Gly Gly Leu Gly Thr Pro Ser Ala Asp Ser
90 115 120 125
92 Gly Gly Gly Gly Thr Pro Asp Ala Thr Gly Gly Gly Gly Gly Asp Thr
93 130 135 140
95 Pro Ser Ala Thr Gly Gly Gly Gly Gly Asp Thr Pro Thr Ala Thr Gly
96 145 150 155 160
98 Gly Gly Gly Ser Gly Gly Gly Gly Gly Thr Pro Thr Ala Thr Gly Gly Gly
99 165 170 175
101 Ser Gly Gly Thr Pro Thr Ala Thr Gly Gly Gly Glu Gly Gly Val Thr
102 180 185 190
104 Pro Gln Ile Thr Pro Gln Leu Ala Asn Pro Asn Arg Thr Ser Gly Thr
105 195 200 205
107 Gly Ser Val Ser Asp Thr Ala Gly Ser Thr Glu Gln Ala Gly Lys Ile
108 210 215 220
110 Asn Val Val Lys Asp Thr Ile Lys Val Gly Ala Gly Glu Val Phe Asp
111 225 230 235 240
113 Gly His Gly Ala Thr Phe Thr Ala Asp Lys Ser Met Gly Asn Gly Asp
114 245 250 255
116 Gln Gly Glu Asn Gln Lys Pro Met Phe Glu Leu Ala Glu Gly Ala Thr
117 260 265 270
119 Leu Lys Asn Val Asn Leu Gly Glu Asn Glu Val Asp Gly Ile His Val
120 275 280 285
122 Lys Ala Lys Asn Ala Gln Glu Val Thr Ile Asp Asn Val His Ala Gln
123 290 295 300
125 Asn Val Gly Glu Asp Leu Ile Thr Val Lys Gly Glu Gly Gly Ala Ala
126 305 310 315 320
128 Val Thr Asn Leu Asn Ile Lys Asn Ser Ser Ala Lys Gly Ala Asp Asp
129 325 330 335
131 Lys Val Val Gln Leu Asn Ala Asn Thr His Leu Lys Ile Asp Asn Phe

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132          340          345          350
134 Lys Ala Asp Asp Phe Gly Thr Met Val Arg Thr Asn Gly Gly Lys Gln
135          355          360          365
137 Phe Asp Asp Met Ser Ile Glu Leu Asn Gly Ile Glu Ala Asn His Gly
138          370          375          380
140 Lys Phe Ala Leu Val Lys Ser Asp Ser Asp Asp Leu Lys Leu Ala Thr
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VERIFICATION SUMMARY

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